

# AO4314

#### **AO4314 Information**



Part NumberAO4314ManufacturerAlpha & Omega Semiconductor Inc.CategoryDiscrete Semiconductor Products<br/>Transistors - FETs, MOSFETs - SingleDescriptionMOSFET N-CH 36V 20A 8SOICPackage8-SOIC (0.154", 3.90mm Width)<br/>For the pricing/inventory/lead time, please contact<br/>us<br/>Website: https://www.heisener.com<br/>E-mail: salesdept@heisener.com



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## For Reference Only

### **Certified Quality**

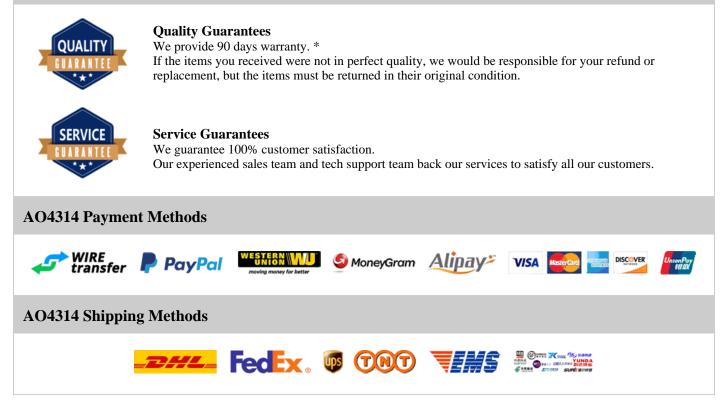
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



### **AO4314 Specifications**

Manufacturer Part Number	AO4314
Manufacturer	Alpha & Omega Semiconductor Inc.
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	8-SOIC (0.154", 3.90mm Width)
Series	-
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	36V
Current - Continuous Drain (Id) @ 25°C	20A (Ta)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.3V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	23nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	1470pF @ 18V
Vgs (Max)	$\pm 20\mathrm{V}$
FET Feature	-
Power Dissipation (Max)	4.2W (Ta)
Rds On (Max) @ Id, Vgs	6 mOhm @ 20A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	8-SOIC
Package / Case	8-SOIC (0.154", 3.90mm Width)
	Report errors?

#### **AO4314 Guarantees**



If you have any question about AO4314, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com